

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date ¹⁶ 8-13-2018QC'd By Battery Voltage 11.6 Turbidity Wiper Replaced Y/N Wiper parking 180° (Y)/NReplace Batteries Y/N ODO Wiper Replaced Y/N Wiper parking 180° (Y)/NIf Yes, New Voltage Free memory (days) 185 Battery Life (days) 113Barometric Pressure 759.2 pH7 (mv) -32.8 pH10/4 (mv) -201.7/43.9Conductivity Cell Constant 5.04897 ODO Gain 1.02113 pH Slope 176.7/168.9

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.95	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	24.19	49.85	7.02	9.96	3.93	99.9	-0.002	0.1	124.9
Calibrate		50.00	7.0	9.97	4.0	100	0.0	0.0	125.8

File Name CC08132018 ¹⁶ Start Date 08-13-2018 Start Time (Sonde) ~~9:00~~ 8:30
 Start Time (Actual) ~~10:00~~ 9:30

Deployment Information

Deployed By BD/AKInstrument # SEA 1 ¹⁶ Date 08-13-2018 Time 1240

Notes

Could not set out on original date - rechecked calibration
 and set out 8/16/2018 (see DEP
 field sheet)

Site Observations: Fish Kill ☐ Algal Bloom ☐ Debris ☐ Hurricane / TS ☐ Other ☐

Observation Description

Very high tide - incoming
 90° approaching storm

Recorded By AKalmbacher Computer Entry By AKalmbacherCertified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Claycozic Creek

Retrieval Information:

Retrieved By:

CR/AK

Instrument # JEA 1

Date 9-06-18

Time 10:20

Barometric Pressure 760.4 mmHg pH7 (mv) -31.3 pH 10 / 4 (mv) -202.5 / 140.7

Battery Voltage 10.9 Turbidity wiper parked 180° ☒ Y / ☐ N ODO ☒ Y ☐ N

Post Calibration Date 9/6/2018 Cond. Cell Constant 506296 pH Slope 171.2 / 172.0

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.9	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	24.2	50.13	7.02	10.0	4.02	100.7	0.02	3.5	—

Fouling presence: Please record type of fouling AND amount (eg A, B, E, / H)

Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none / Amount H=Heavy, M= Moderate, L= Light, N= None.

Sonde/Guard: C/L External Screen: C/L Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Falling tide Cloudy
East wind ~ 10 mph
90° Humid

File Name CC08162018

Any Probe Malfunctions

☒ Y / ☐ N

If Y, please describe above

Download File ☒ Y / ☐ N

Date 9-06-2018 Initials AK

Sent Datafile ☒ Y / ☐ N

Date 9-07-2018 Initials AK

Sent Datasheet ☒ Y / ☐ N

Date 9-07-2018 Initials AK

Recorded By: A. Kalmbacher

Computer Entry By: A. Kalmbacher

Certified By: _____

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID:

SEA 1

RQ:

Project:

Clayboard Creek

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	8-13-18	0815	23.4	759.2	8.51	8.51	100	1.02113	→	P / F	L / F
ICV			0818	23.5		8.49	8.49	99.9		1.02113	(P) F	(L) F
CCV	A Kalmbacher	8-16-18	0800	23.8	765.7	8.44	8.44	100		1.02113	(P) F	(L) F
CCV	A Kalmbacher	9-06-18	1240	24.2	760.4	8.38	8.42	100.7	1.02113	→	(P) F	(L) F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	8-13-18	0820	170720C	8/2018	50,000	50,000	P / F	L / F
ICV				1124820	4/2019	24,820	25,220	(P) F	(L) F
CCV	A Kalmbacher	8-16-18	0820	170720C	8/2018	50,000	50,001	(P) F	(L) F
CCV	A Kalmbacher	9-06-18	1245	170720C	8/2018	50,000	50,130	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	8-13-18	0835	2803E45	3/2020	7.	24.5	7.0	32.8	P / F	L / F
Calibr.			0838	2803D38	3/2020	4.	24.7	4.0	143.9	P / F	L / F
Calibr.			0841	2711527	4/2019	10.	24.7	9.97	201.7	P / F	L / F
ICV			0850	2803E45	3/2020	7.0	24.4	7.02	31.3	(P) F	(L) F
CCV	A Kalmbacher	8-16-18	0830	2803E45	3/2020	7.0	24.1	7.02	31.8	(P) F	(L) F
CCV	A Kalmbacher	9-6-18	1250	2803E45	3/2020	7.0	24.2	7.02	31.3	(P) F	(L) F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 168.9 , slope from 4 to 7 176.7 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? **YES** / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: ; Date of last verification:

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	A Kalmbacher	8-13-18	0900	0.0	0.0	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Sonde calibrated on 8/13/2018 CCV'd on 8/16/2018, then deployed